

CLAIMS

1. An emulation apparatus incorporated in an information processing apparatus without processing capability adjusting means, comprising:

judging means for judging whether software executed by said information processing apparatus requests a change of a processing capability of said information processing apparatus or not; and

adjusting means for changing the processing capability of said information processing apparatus within a range identified by a predetermined change parameter for said software supplied in advance or afterward, when said software requests the change of said processing capability.

2. The emulation apparatus according to claim 1, wherein said information processing apparatus is an entertainment apparatus provided with a plurality of processors having a master-slave relationship and said master-slave relationship of the processors in said entertainment apparatus is configured so as to change according to a type of said software.

3. The emulation apparatus according to claim 1, wherein said judging means is configured so as to perform said judgment by identifying a medium that records said software.

4. The emulation apparatus according to claim 1, wherein when said judging means judges that said software requests the change of said processing capability, said adjusting means is configured so as to change the processing capability of said information processing apparatus by automatically converting binary information included in said software to binary information executable by said information processing apparatus.

5. The emulation apparatus according to claim 1, wherein said adjusting means is configured so as to read selectively one of a first change parameter recorded in an internal recording medium installed in advance, a second

change parameter recorded in a non-rewritable recording medium loaded into said information processing apparatus afterward and a third change parameter recorded in a rewritable recording medium loaded into said information processing apparatus afterward and change said processing capability within a range identified by the read change parameter.

6. The emulation apparatus according to claim 2, wherein said adjusting means is configured so as to read selectively one of a first change parameter recorded in an internal recording medium installed in advance, a second change parameter recorded in a non-rewritable recording medium loaded into said information processing apparatus afterward and a third change parameter recorded in a rewritable recording medium loaded into said information processing apparatus afterward and change said processing capability within a range identified by the read change parameter.

7. The emulation apparatus according to claim 3, wherein said adjusting means is configured so as to read selectively one of a first change parameter recorded in an internal recording medium installed in advance, a second change parameter recorded in a non-rewritable recording medium loaded into said information processing apparatus afterward and a third change parameter recorded in a rewritable recording medium loaded into said information processing apparatus afterward and change said processing capability within a range identified by the read change parameter.

8. The emulation apparatus according to claim 4, wherein said adjusting means is configured so as to read selectively one of a first change parameter recorded in an internal recording medium installed in advance, a second change parameter recorded in a non-rewritable recording medium loaded into said information processing apparatus afterward and a third change parameter recorded in a rewritable recording medium loaded into said information processing apparatus afterward and change said processing capability within a range identified by the read

change parameter.

9. The emulation apparatus according to claim 5, wherein said adjusting means is configured so as to read the third change parameter, the second change parameter and the first change parameter, in the order named.

10. The emulation apparatus according to claim 6, wherein said adjusting means is configured so as to read the third change parameter, the second change parameter and the first change parameter, in the order named.

11. The emulation apparatus according to claim 7, wherein said adjusting means is configured so as to read the third change parameter, the second change parameter and the first change parameter, in the order named.

12. The emulation apparatus according to claim 8, wherein said adjusting means is configured so as to read the third change parameter, the second change parameter and the first change parameter, in the order named.

13. The emulation apparatus according to claim 5, wherein the change parameter is determined for each of processing items implemented by the software, said processing items depending on functions of the information processing apparatus,

said judging means is configured so as to judge whether a processing item for which a change parameter is determined exists in any one of said internal recording medium, said non-rewritable recording medium and said rewritable recording medium and further judge that the software requests the change of said processing capability when said processing item exists, and

said adjusting means is configured so as to adjust a speed per unit time of processing identified by said processing item to a speed determined by said change parameter.

14. The emulation apparatus according to claim 6, wherein the change parameter is determined for each of processing items implemented by the software, said processing items depending on functions of the information

processing apparatus,

said judging means is configured so as to judge whether a processing item for which a change parameter is determined exists in any one of said internal recording medium, said non-rewritable recording medium and said rewritable recording medium and further judge that the software requests the change of said processing capability when said processing item exists, and

said adjusting means is configured so as to adjust a speed per unit time of processing identified by said processing item to a speed determined by said change parameter.

15. The emulation apparatus according to claim 7, wherein the change parameter is determined for each of processing items implemented by the software, said processing items depending on functions of the information processing apparatus,

said judging means is configured so as to judge whether a processing item for which a change parameter is determined exists in any one of said internal recording medium, said non-rewritable recording medium and said rewritable recording medium and further judge that the software requests the change of said processing capability when said processing item exists, and

said adjusting means is configured so as to adjust a speed per unit time of processing identified by said processing item to a speed determined by said change parameter.

16. The emulation apparatus according to claim 8, wherein the change parameter is determined for each of processing items implemented by the software, said processing items depending on functions of the information processing apparatus,

said judging means is configured so as to judge whether a processing item for which a change parameter is determined exists in any one of said internal recording medium, said non-rewritable recording medium and said

rewritable recording medium and further judge that the software requests the change of said processing capability when said processing item exists, and

said adjusting means is configured so as to adjust a speed per unit time of processing identified by said processing item to a speed determined by said change parameter.

17. An emulation apparatus incorporated in an information processing apparatus without processing capability adjusting means, comprising:

judging means for judging whether software executed by said information processing apparatus requests a change of a processing capability of said information processing apparatus or not; and

adjusting means for changing a functional configuration of said information processing apparatus to a predetermined configuration when said software requests a change of a functional capability of said information processing apparatus, and changing a capability of the whole or part of specific processing executed by said information processing apparatus within a range identified by a predetermined change parameter for said software supplied in advance or afterward when said software requests a change of the capability of the whole or part of said specific processing.

18. The emulation apparatus according to claim 17, wherein said information processing apparatus is an entertainment apparatus provided with a plurality of processors having a master-slave relationship and said master-slave relationship of the processors in said entertainment apparatus is configured so as to change according to a type of said software.

19. The emulation apparatus according to claim 17, wherein said judging means is configured so as to perform said judgment by identifying a medium that records said software.

20. The emulation apparatus according to claim 17, wherein when said judging means judges that said software requests the change of said processing

capability, said adjusting means is configured so as to change the processing capability of said information processing apparatus by automatically converting binary information included in said software to binary information executable by said information processing apparatus.

21. The emulation apparatus according to claim 17, wherein said adjusting means is configured so as to read selectively one of a first change parameter recorded in an internal recording medium installed in advance, a second change parameter recorded in a non-rewritable recording medium loaded into said information processing apparatus afterward and a third change parameter recorded in a rewritable recording medium loaded into said information processing apparatus afterward and change said processing capability within a range identified by the read change parameter.

22. The emulation apparatus according to claim 18, wherein said adjusting means is configured so as to read selectively one of a first change parameter recorded in an internal recording medium installed in advance, a second change parameter recorded in a non-rewritable recording medium loaded into said information processing apparatus afterward and a third change parameter recorded in a rewritable recording medium loaded into said information processing apparatus afterward and change said processing capability within a range identified by the read change parameter.

23. The emulation apparatus according to claim 19, wherein said adjusting means is configured so as to read selectively one of a first change parameter recorded in an internal recording medium installed in advance, a second change parameter recorded in a non-rewritable recording medium loaded into said information processing apparatus afterward and a third change parameter recorded in a rewritable recording medium loaded into said information processing apparatus afterward and change said processing capability within a range identified by the read change parameter.

24. The emulation apparatus according to claim 20, wherein said adjusting means is configured so as to read selectively one of a first change parameter recorded in an internal recording medium installed in advance, a second change parameter recorded in a non-rewritable recording medium loaded into said information processing apparatus afterward and a third change parameter recorded in a rewritable recording medium loaded into said information processing apparatus afterward and change said processing capability within a range identified by the read change parameter.

25. The emulation apparatus according to claim 21, wherein said adjusting means is configured so as to read the third change parameter, the second change parameter and the first change parameter, in the order named.

26. The emulation apparatus according to claim 22, wherein said adjusting means is configured so as to read the third change parameter, the second change parameter and the first change parameter, in the order named.

27. The emulation apparatus according to claim 23, wherein said adjusting means is configured so as to read the third change parameter, the second change parameter and the first change parameter, in the order named.

28. The emulation apparatus according to claim 24, wherein said adjusting means is configured so as to read the third change parameter, the second change parameter and the first change parameter, in the order named.

29. The emulation apparatus according to claim 21, wherein the change parameter is determined for each of processing items implemented by the software, said processing items depending on functions of the information processing apparatus,

said judging means is configured so as to judge whether a processing item for which a change parameter is determined exists in any one of said internal recording medium, said non-rewritable recording medium and said rewritable recording medium and further judge that the software requests the change

of said processing capability when said processing item exists, and

said adjusting means is configured so as to adjust a speed per unit time of processing identified by said processing item to a speed determined by said change parameter.

30. The emulation apparatus according to claim 22, wherein the change parameter is determined for each of processing items implemented by the software, said processing items depending on functions of the information processing apparatus,

said judging means is configured so as to judge whether a processing item for which a change parameter is determined exists in any one of said internal recording medium, said non-rewritable recording medium and said rewritable recording medium and further judge that the software requests the change of said processing capability when said processing item exists, and

said adjusting means is configured so as to adjust a speed per unit time of processing identified by said processing item to a speed determined by said change parameter.

31. The emulation apparatus according to claim 23, wherein the change parameter is determined for each of processing items implemented by the software, said processing items depending on functions of the information processing apparatus,

said judging means is configured so as to judge whether a processing item for which a change parameter is determined exists in any one of said internal recording medium, said non-rewritable recording medium and said rewritable recording medium and further judge that the software requests the change of said processing capability when said processing item exists, and

said adjusting means is configured so as to adjust a speed per unit time of processing identified by said processing item to a speed determined by said change parameter.

32. The emulation apparatus according to claim 24, wherein the change parameter is determined for each of processing items implemented by the software, said processing items depending on functions of the information processing apparatus,

said judging means is configured so as to judge whether a processing item for which a change parameter is determined exists in any one of said internal recording medium, said non-rewritable recording medium and said rewritable recording medium and further judge that the software requests the change of said processing capability when said processing item exists, and

said adjusting means is configured so as to adjust a speed per unit time of processing identified by said processing item to a speed determined by said change parameter.

33. An emulation part, when incorporated in an information processing apparatus comprising means for, when software to be executed requests a change of a processing capability of said information processing apparatus, judging contents of said request and changing said processing capability, said emulation part forming in said information processing apparatus:

means for reading selectively one of a first change parameter recorded in a predetermined recording medium in advance, a second change parameter recorded in a non-rewritable recording medium installed afterward and a third change parameter recorded in a rewritable recording medium installed afterward, and changing said processing capability within a range identified by the read change parameter.

34. An emulation method executed in an information processing apparatus without processing capability adjusting means, comprising:

judging whether software read by said information processing apparatus requests a change of a processing capability of said information processing apparatus or not; and

changing said processing capability within a range identified by a predetermined change parameter for said software supplied in advance or afterward, when it is judged that said software requests the change of said processing capability.

35. A recording medium readable by an information processing apparatus without processing capability adjusting means, said recording medium recording a program which causes said information processing apparatus to execute:

judging whether software read by said information processing apparatus requests a change of a processing capability of said information processing apparatus or not; and

changing said processing capability within a range identified by a predetermined change parameter for said software supplied in advance or afterward, when it is judged that said software requests the change of said processing capability.

36. A recording medium readable by an information processing apparatus and detachably installed in said information processing apparatus which includes means for enabling a processing capability of said information processing apparatus to be changed according to software executed, said recording medium comprising:

a first area which is read before execution of said software after starting of said information processing apparatus and records a code for allowing said information processing apparatus to recognize a type of said software; and

a second area which is read subsequently to said first area and records a predetermined change parameter for identifying a changing part and a changing amount of said processing capability, said change parameter provided in said second area when said software requests a change of said processing capability.

37. A program for causing an information processing apparatus without processing capability adjusting means to execute:

judging whether software read by said information processing apparatus requests a change of a processing capability of said information processing apparatus or not; and

changing said processing capability within a range identified by a predetermined change parameter for said software supplied in advance or afterward, when it is judged that said software requests the change of said processing capability.